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Machine Tool Technology

[Orientation Signup Notification](#) [1]

Please signup to receive updates and information on future orientation dates.

Description

If you like troubleshooting, strategy, and working with high-tech equipment, CWI can offer you a start to an exceptional career as a machinist. This two-year program has top-quality training and long-standing support from local employers thanks in part to our accomplished graduates who have won top national and international awards. At CWI, you will learn basic skills and quickly advance into areas such as interpretation of drawings, proper measurement, design adaptation, computer numerical programming, and much more.

Mission

If you like troubleshooting, strategy, and working with high-tech equipment, College of Western Idaho (CWI) can offer you a start to an exceptional career as a machinist. This two-year program has top-quality training and long-standing support from local employers thanks in part to our accomplished graduates who have won top national and international awards. At CWI, you will learn basic skills and quickly advance into areas such as interpretation of drawings, proper measurement, design adaptation, computer numerical programming, and much more.

Why This Program

Over the years, this trade has been consistent in offering employment opportunities to employees trained with basic machining skills and a desire to work in an industrial environment. The skills taught in the Machine Tool program offer opportunities in a diverse field of specialized occupations such as; Machine Operator, Tool and Die work, Automotive Machinist, Field Work, Machine Maintenance Mechanic, CNC Programmer, Quality Control and others.

What You Will Learn to Do

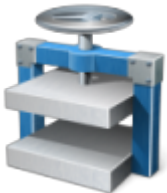
- Set up and operate manual machines including engine lathes, milling
- Program, set up, and operate computer-numerically controlled (CNC) milling machines and lathes
- Operate precision measurement and test equipment used by metals-manufacturing industries
- Properly heat-treat various metals
- Understand and identify the many different materials, processes, and techniques used by the machining industry
- Utilize Virtual GIBBS programming software and SolidWorks modeling software

Clubs



SkillsUSA

The purpose of SkillsUSA is to unite in a common bond without regard to race, sex, religion, creed, or national origin. Students enrolled in class with vocational trade, industrial, technical, and health occupations objectives. We also assist...



Machinist Club

The purpose of Machinist Club is to share ideas, promote machining, and further education.

Additional Opportunities

There are also extra-curricular activities that students can participate in such as SkillsUSA and the Machinists Club. These organizations provide opportunities for the student to enhance their educational experience while interacting with other classmates.

Gainful Employment

For more information about our graduation rates, the median debt of students who have completed the program, and other important information, please visit our website at cwidaho.cc/ge [2]

Associate of Applied Science Degree in Machine Tool Technology

Degree Type:

AAS

Length:

24 Months

Delivery Formats:

Traditional

Advanced Technical Certificate in Machine Tool Technology

Degree Type:

ATC

Length:

16 Months

Delivery Formats:

Traditional

Technical Certificate in Machine Tool Technology

Degree Type:

TC

Length:

12 Months

Delivery Formats:

Traditional

Advanced Post-Secondary Technical Certificate in Machine Tool Technology

Degree Type:

APTC

Length:

12 Months

Delivery Formats:

Traditional

Post-Secondary Technical Certificate in Machine Tool Technology

Degree Type:

PTC

Length:

12 Months

Delivery Formats:

Traditional

Basic Post-Secondary Technical Certificate in Machine Tool Technology

Degree Type:

BPTC

Length:
12 Months
Delivery Formats:
Traditional

Important Dates for Credit Programs

	Fall 2014	Spring 2015	Summer 2015
Registration Open	April 14	November 10	April 13
Financial Aid Priority Date	July 14	December 1	May 11
Admission Deadline	August 8	December 22	May 15
Tuition and Fees Due	August 22	January 9	May 29
Last Day to Register	August 22	January 9	May 29
Classes Begin	August 25	January 12	June 1*

*Some classes begin before this date. See [class schedule](#) [3] for more information.

Please refer to our [Important Dates](#) [4] for more information.

Skills, Traits, and Prep Classes

- Sound math and spatial skills
- Solid reading skills
- Mechanical aptitude
- Manual dexterity
- Solid reading skills
- Ability to evaluate and make decisions
- Ability to attend class seven hours per day
- Enjoyment of working with others
- Ability to work to precise specifications

Financial Aid Available

Did you know that as a student in this program you may be eligible for financial aid? Through grants, [scholarships](#) [5], and loans, more than 60 percent of first-time, full-time CWI students receive some form of financial assistance. To learn more about financial aid options and whether you may be eligible, visit [Financial Aid](#) [6].

Tuition and Fees

Tuition for a full-time CWI student averages half the cost of a state university and a third of the cost of a private college. Tuition and fees vary based on program and residence. Visit [Tuition and Fees](#) [7] for more information.

Advising

Navigating your way through college can be confusing, especially if you try to go it alone. CWI One Stop Student Services offers advising assistance, to help in deciding which courses you need to take to complete your educational goals. Visit [Advising](#) [8] for more information or contact [One Stop Student Services](#) [9] to schedule an appointment.

Transfer

Look beyond your degree at CWI and plan for continuing your education by working closely with CWI advising and representatives of your intended transfer school. Planning before you transfer can save you time and money. Visit [Transfer Information](#) [10] for more information or contact [One Stop Student Services](#) [9].

Career Information

Machinists are highly skilled operators of machine tools that fabricate parts from a wide variety of materials. Working from blueprints, sketches, or their own designs, these technicians produce precision parts with extremely close tolerances.

Professions

Locations



Nampa Campus Micron Center for Professional Technical Education

5725 E. Franklin Road, Nampa, ID 83687

Program Contact



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Source URL: <http://cwidaho.cc/program/machine-tool-technology>

Links

[1] <http://pteprogramorientations.signupsheet.com/>

[2] <http://cwidaho.cc/ge>

[3] <http://cwidaho.cc/current-students/class-schedule>

[4] <http://cwidaho.cc/dates>

[5] <http://cwidaho.cc/scholarships>

[6] <http://cwidaho.cc/financialaid>

[7] <http://cwidaho.cc/tuition>

[8] <http://cwidaho.cc/node/2308>

[9] <http://cwidaho.cc/node/3253>

[10] <http://cwidaho.cc/node/2320>

[11] <http://cwidaho.cc/person/faculty/dave-sperry>

[12] <http://cwidaho.cc/department/trade-technology>

[13] <mailto:davesperry@cwidaho.cc>